47222

## APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Dat	te of filing in State Engineer's Office			
Ret	turned to applicant for correction.			
Cor	rected application filed			
Мај	p filed DFC 14 1983 under 47321			
	The applicant Trans-Pacific Geothermal, Inc.			
	1419 Broadway of Oakland City or Town			
	California 94612 , hereby make application for permission to appropriate the public State and Zip Code No.			
wate	ers of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-			
tion	i; if a copartnership or association, give names of members.) TGS Associates is a partnership comprised of Trans-Pacific Geothermal, Inc., incorporated in Nevada 11/16/81 and SR Geothermal, Inc., incorporated in Delaware 9/23/81.			
1.	The source of the proposed appropriation is deep geothermal reservoir - 10,000 feet  Name of stream, lake, spring, underground or other source			
2	The amount of water applied for in five (5)			
۷.	The amount of water applied for is five (5)  One second-foot equals 448.83 gals. per min.  Second-feet			
	(a) If stored in reservoir give number of acre-feet.			
3.	Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.			
4.	If use is for:			
	(a) Irrigation, state number of acres to be irrigated			
	(b) Stockwater, state number and kinds of animals to be watered			
	(c) Other use (describe fully under "No. 12. Remarks" industrial			
	(d) Power:			
	(1) Horsepower developed no external pumps will be used			
	(2) Point of return of water to stream reinjection or surface disposal; will depend on			
5.	water quality.  The water is to be diverted from its source at the following point Located in NE' of SE', Sec 33,  Describe as being within a 40-acre subdivision of public			
	T25N, R37E, MDB&M, at a point from whence the SW corner of Section 33 bears S61 survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  51' 39" W, a distance of 4914.10 feet.			
6	Place of use NE4 of SE4, Sec. 33. T25N R37E, MDB&M			
٠.	Describe by legal subdivision. If on unsurveyed land, it should be so stated.			
7.	Use will begin about January 1 and end about December 31 , of each year.  Month and Day Month and Day			
8.	Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  The proposed works would be the completed geo-			
	specifications of your diversion or storage works.) thermal well. Water would be diverted from the geothermal reservoir through the tate manner in which water is to be diverted, i.e. diversion structure, ditches and cased wellbore to the wellhead for the initial beneficial use which is well flow			
0	fumes, drilled well with pump and motor, etc. testing to evaluate the geothermal reservoir. The wellbor will be cased to an estimated depth of 6300 feet.  Estimated cost of works. One million five hundred thousand dollars (\$1,500,000)			
7.	190111110100 COST ON MOTUS			

11.	Estimated time require	red to complete the app	plication of water to beneficial use three years (3)	
	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use. The industrial use of appropriated water, consequent to this applications.			
	tion, would be the production of water or geothermal effluent from wellhead, then			
	through surfac	e pipeline, to e	electrical generating plant. Additional economic	
	utilization of	the geothermal	energy may be affected subsequent to or separate	
	from electrial	generation. Es	stimated consumption: 322 ac/ft per year. s/Walter Turnbull	
			By Walter Turnbull, Secretary-Treasurer 1419 Broadway	
Com	pared js/se	js/se		
Prote	ested			
		APPROV	VAL OF STATE ENGINEER	
	This is to certify tha wing limitations and c		e foregoing application, and do hereby grant the same, subject to the	
fin pla rea mai be	ount of geotherm al right obtain sced to benefici sonable decreas ntained to prev kept of dischar injection well	al fluid herein ed under this pe al use. It is a e of fluid press ent any waste of ge of the produc	t to existing rights. It is understood that the granted is only a temporary allowance and that the ermit will be dependent upon the amount actually also understood that this right must allow for a sure and heat. The well shall be equipped and f the geothermal fluid. Accurate measurements must ction well and the amount of fluid injected into	
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## (PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3,620 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The total combined consumptive duty of geothermal fluid under Permits 36931, 41892, 41914, 41920, 41923, 41929, 43050, 43051, 43052, 43557, 46951, 47142, 47322, 47323, 48932, 48933, 48934, 48935, 49572, 49573, 49574, 49644, 49802, 49803 and 49806 shall not exceed 10,704 acre-feet annually.